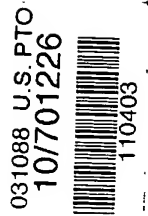


**PATENT APPLICATION TRANSMITTAL LETTER**

Commissioner for Patents  
Mail Stop Patent Application  
P.O. Box 1450  
Alexandria, VA 22313-1450



Transmitted herewith for filing is the patent application of: ROBERT J. HILLARD

Entitled: **"CONDUCTANCE-VOLTAGE (GV) BASED METHOD FOR DETERMINING  
LEAKAGE CURRENT IN DIELECTRICS"**

**Small Entity Status:**

☐ Small Entity Statement under 37 CFR 1.27 is enclosed  
☒ Small Entity Status is asserted for this application under 37 CFR 1.27

Enclosed are: ☒ 11 pages of Specification (comprising 3 pages of Claims and a 1 page Abstract)  
and 3 pages of drawings  
☒ An Assignment of the invention to: Solid State Measurements, Inc.  
☒ Declaration  
☐ Non-Publication Request Under 35 U.S.C. §122(b)(2)(B)(i)

**CLAIMS AS FILED**

	<u>No. Filed</u>	<u>No. Extra</u>	<u>Small Entity Rate</u>	<u>Non-Small Entity Rate</u>	<u>Charge</u>
Total					
Claims	<u>15</u>	<u>-20 = 0</u>	x \$ <u>9.00</u>	x \$ <u>18.00</u>	\$ <u>0</u>
Indep.					
Claims	<u>2</u>	<u>-3 = 0</u>	x \$ <u>43.00</u>	x \$ <u>86.00</u>	\$ <u>0</u>
Multiple Dependent Claim/s			+ \$ <u>145.00</u>	+ \$ <u>290.00</u>	\$ <u>0</u>
Basic Fee			+ \$ <u>385.00</u>	+ \$ <u>770.00</u>	\$ <u>385.00</u>
			Total of above Charges		\$ <u>385.00</u>
			Total Fee		\$ <u>385.00</u>

Checks in the amounts of \$385.00 and \$40.00 are enclosed to cover the filing fee and the Assignment recordal fee.

The Commissioner is hereby authorized to charge payment of any additional filing fees required under 37 CFR 1.16 or patent application processing fees under 37 CFR 1.17 associated with this communication to Deposit Account No. 23-0650. Please refund any overpayment to Deposit Account No. 23-0650.

An original and two copies of this sheet are enclosed.

November 4, 2003  
Date

By William H. Logsdon  
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PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF:

ATTORNEY'S DOCKET NUMBER

**ROBERT J. HILLARD**

**1880-031248**

ENTITLED

**"CONDUCTANCE-VOLTAGE (GV) BASED METHOD FOR DETERMINING  
LEAKAGE CURRENT IN DIELECTRICS"**

Commissioner for Patents  
Mail Stop Patent Application  
P.O. Box 1450  
Alexandria, VA 22313-1450

**EXPRESS MAIL CERTIFICATE**

"Express Mail" Label Number EL 971281207 US

Date of Deposit November 4, 2003

I hereby certify that the following attached paper(s) and/or fee(s):

**PATENT APPLICATION TRANSMITTAL LETTER (1 p. original and two (2) copies);  
UTILITY PATENT APPLICATION TRANSMITTAL (1 p.);  
SPECIFICATION (11 pp.) (comprising CLAIMS (3 pp.) and ABSTRACT (1 p.));  
DRAWINGS (3 sheets);  
DECLARATION AND POWER OF ATTORNEY (2 pp);  
RECORDATION FORM COVER SHEET (1 p.); ASSIGNMENT (1 p.);  
and checks in the amounts of \$385.00 and \$40.00.**

are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. §1.10 on the date indicated above and are addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Deborah L. Medves

(Typed name of person mailing paper or fee)

*Deborah L. Medves*

(Signature of person mailing paper or fee)

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**UTILITY  
PATENT APPLICATION  
TRANSMITTAL**

(Only for new nonprovisional applications under 37 C.F.R. 1.53(b))

Attorney Docket No. 1880-031248

First Inventor Robert J. Hillard

Title CONDUCTANCE-VOLTAGE (GV) BASED METHOD FOR...

Express Mail Label No. EL 971281207 US

**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents.

**ADDRESS TO:**Commissioner For Patents  
Mail Stop Patent Application  
P.O. Box 1450  
Alexandria VA 22313-14501. ☒ Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original and a duplicate for fee processing)2. ☒ Applicant claims small entity status.  
See 37 CFR 1.27.3. ☒ Specification [Total Pages 11]  
(preferred arrangement set forth below)

- Descriptive title of the invention
- Cross Reference to Related Applications
- Statement Regarding Fed sponsored R & D
- Reference to sequence listing, a table, or a computer program listing appendix
- Background of the Invention
- Brief Summary of the Invention
- Brief Description of the Drawings (if filed)
- Detailed Description
- Claim(s)
- Abstract of the Disclosure

4. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets 3]

5. Oath or Declaration [Total Pages 2]

a. ☒ Newly executed (original or copy)b. ☐ Copy from a prior application (37 CFR 1.63(d))  
(for continuation/divisional with Box 18 completed)i. ☐ **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).6. ☐ Application Data Sheet. See 37 CFR 1.767. ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)8. Nucleotide and/or Amino Acid Sequence Submission  
(if applicable, all necessary)a. ☐ Computer Readable Form (CRF)

b. Specification Sequence Listing on:

i. ☐ CD-ROM or CD-R (2 copies); orii. ☐ Paperc. ☐ Statements verifying identity of above copies**ACCOMPANYING APPLICATION PARTS**9. ☒ Assignment Papers (cover sheet & document(s))10. ☐ 37 CFR 3.73(b) Statement (when there is an assignee) ☐ Power of Attorney11. ☐ English Translation Document (if applicable)12. ☐ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations13. ☐ Preliminary Amendment14. ☒ Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)15. ☐ Certified Copy of Priority Document(s)  
(if foreign priority is claimed)16. ☐ Nonpublication Request under 35 U.S.C. 122  
(b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.17. ☒ Other: Checks for \$385.00 and \$40.00

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation☐ Divisional☐ Continuation-in-part (CIP)

of prior application No: \_\_\_\_\_

Prior application information: Examiner \_\_\_\_\_

Art Unit: \_\_\_\_\_

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

**19. CORRESPONDENCE ADDRESS**☒ Customer Number or Bar Code Label 28289 or ☐ Correspondence address below  
(Insert Customer No. or Attach bar code label here)

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Registration No. (Attorney/Agent)

22,132

Signature

Date November 4, 2003

This collection of information is required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you are required to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop 22,132 Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.